

Page 1, please amend the last paragraph  
beginning on line 28 as follows:

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However, regarding the steel sheet treated by a black color treatment as described in the item (1), an adhesive characteristic between a black resin coating layer and a surface of the steel sheet is weak. When the surface of the steel sheet is damaged by press processing, the steel sheet would be exposed. Therefore, the resin coating layer should be thicker. It would be demerit in view of production costs. Regarding the steel sheet as described in the item (2), in order to reinforce corrosion resistance, there is a black colored steel sheet with a surface treatment (Japanese Patent Laid-Open Publication No. 63-60886) wherein a chromate layer and a transparent/translucent organic resin layer is provided on a black colored galvanized steel plate. However, depending on the treatment condition of the chromate layer, there is a danger of deteriorating a black ornamental effect. Further, there is no actual suggestion about the composition of such a resin layer in view of improving an adhesive characteristic of the resin layer with respect to a galvanized layer.

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Page 2, please amend the second paragraph  
beginning on line 24 as follows:

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3 However, a black ornament effect is damaged by  
flaws on the surface of a steel sheet caused by lack of  
smoothing of the steel sheet when the patrone cap and so  
on made of the steel sheet is caulked. It would become  
difficult to reduce the corrosion resistance by exposing  
the groundwork of the steel plate.

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Page 3, please amend the first paragraph as  
follows:

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34 A feature of a resin coated steel sheet  
according to the present invention is the combination of  
a galvanized alloy steel sheet and an organic resin layer  
formed on a surface of the galvanized alloy steel plate,  
wherein the galvanized alloy plating is formed on at  
least one surface of a steel sheet and treated by an  
anodic/cathodic treatment in acid solution or an  
immersion treatment in solution including nitride ion, so  
that a surface of a galvanized alloy steel sheet is  
colored.

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Page 3, please amend the second paragraph  
beginning on line 9 as follows:

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A feature of a resin coated steel sheet  
according to the present invention is the combination of  
a galvanized alloy sheet and an organic resin layer  
formed on a surface of the galvanized alloy steel plate,  
wherein galvanized alloy plating is formed on at least  
one surface of a steel sheet and treated by an  
anodic/cathodic treatment in acid solution or an  
immersion treatment in solution including nitride ion.  
By this process, a surface of a galvanized alloy steel  
sheet is colored and the organic resin layer includes  
colloidal silica and/or an agent for providing a  
lubricant function at a surface of the organic resin  
layer.

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Page 3, please amend the third paragraph  
beginning on line 20 as follows:

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In a resin coated steel sheet described above,  
it is preferable that resin formed as the organic resin  
layer is a resin at least selected from the group of  
urethane system resins, polyester system resins, acrylic  
system resins and olefin system resins.

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Page 4, please amend the seventh paragraph  
beginning on line 26 as follows:

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B7  
In a resin coated steel sheet according to the  
present invention as shown in Fig. 1, a galvanized alloy  
layer is treated by an electrolytic treatment selected  
from an electrolytic treatment such as an anodic  
treatment and a cathodic treatment in an acid solution or  
an immersion treatment in a solution including nitric ion  
so as to form a colored layer 2 on at least one surface  
of the steel sheet 1. An organic resin layer 3 is formed  
on a surface of the colored layer 2.

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Page 5, please amend the last paragraph  
beginning on line 32 as follows:

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B7  
In general, a normal cold rolled steel sheet is  
used as a substrate. A cold rolled steel sheet of which  
a base is extreme medium/low carbon aluminum steel  
molding is used. Further, extreme low carbon steel with  
carbon of equal or less than 0.003 wt% and a cold rolled  
steel sheet made of non-aging steel into which niobium,  
titanium and others are added are used. Chromium steel  
including chromium of 3 to 18 wt% or a stainless steel  
(nickel of 1 to 10 wt% may be included) is preferably  
used.

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Page 6, please amend the third paragraph  
beginning on line 22 as follows:

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B9  
If the steel sheet 1 is electrolytically plated  
in a plating bath mainly including zinc in which water-  
soluble salts of cobalt, nickel and/or molybdenum are  
also included, one can obtain a galvanized alloy plating  
layer 10 in which cobalt, nickel and/or molybdenum is co-  
deposited or dispersed.

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Page 7, please amend the first paragraph  
beginning on line 16 as follows:

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B10  
In order to improve the corrosion resistance  
and the adhesive characteristic with respect to the  
organic resin layer 3, although a chromate treatment for  
forming a chromic hydrate oxide coating layer (including  
an electrolytic chromate treatment) as an upper layer may  
be used, the colored layer is apt to be solved by a  
chromate treatment solution such as chromic solution and  
sodium bichromate and there is a danger of deteriorating  
the ornamental effect.

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Page 8, please amend the second paragraph  
beginning on line 5 as follows:

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B11  
In the case of utilizing the material for a  
patrone cap, it is preferable to use a urethane system

B11  
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resin with an individual pencil hardness of H to 6H, tensile strength of 300 to 500 kg/cm<sup>2</sup> and extension ratio of 250 to 450%. In such a case, the thickness of the resin can be equal to or less than 2μm.

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Page 8, please amend the third paragraph  
beginning on line 10 as follows:

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B12

In the case of urethane resin having the above described characteristics, the processing characteristic of the resin coated layer according to the present invention would be improved so that an ornament effect of a patrone cap after processing can be improved. If a pencil-hardness is F or HB softer than H, the abrasion and wear resistance become weaker in the case of utilizing the material for a patrone cap. If the pencil-hardness is 7H to 9H harder than 6H, the processing characteristic becomes weaker. If the tensile strength of the resin is less than 300 kg/cm<sup>2</sup> and the extension ratio of the resin is less than 250%, the processing characteristic would become weak. If the tensile strength of the resin is more than 500 kg/cm<sup>2</sup> and the extension ratio of the resin is more than 450%, its effect is saturated and it is not economic in the view of the production cost.

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Page 8, please amend the last paragraph  
beginning on line 36 as follows:

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B13  
However, in the case of utilizing these kinds  
of resin as a patrone cap, the characteristics thereof  
apt to become inferior to those of urethane system resin  
and flaws and unevenness of black color of the patrone  
cap are not noticeable. In order to have the processing  
characteristic as similar as that of urethane system  
resin, the thickness of the resin-coated layer should be  
increased. It is economically not desirable.

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Page 10, please amend the second paragraph  
beginning on line 12 as follows:

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B14  
In order to improve the ornamental color, that  
is, to a clear black color, it is preferable to add black  
pigment to the organic resin layer 3. In such a case,  
the pigment may be added in an amount equal to or more  
than 0.1 wt%. The process characteristic is reduced in  
the case that the additive amount is too much and flaws  
and unevenness of black color are observed. Therefore,  
the content ratio of the black pigment is preferably  
equal to or less than 30 wt%. Regarding the black  
pigment, one may use carbon black of which a grain  
diameter is 50 to 200  $\mu\text{m}$ .

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